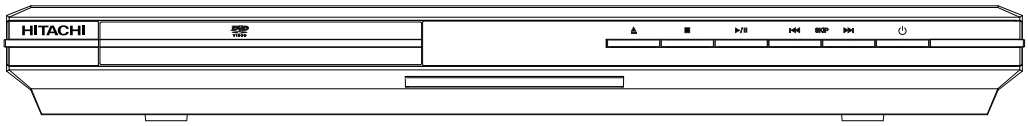
HITACHI

Inspire the Next

DVD/VCD/CD PLAYER

Model
DV-P345UK



Instruction manual

To obtain the best performance and ensure years of trouble-free use. please read this instruction manual completely.

SAFETY INFORMATION

CAUTION

CLASS 1
LASER PRODUCT

DVD Player is a class 1 laser product. However this product uses a visible laser beam which could cause hazardous radiation exposure. Be sure to operate the player correctly as instructed.

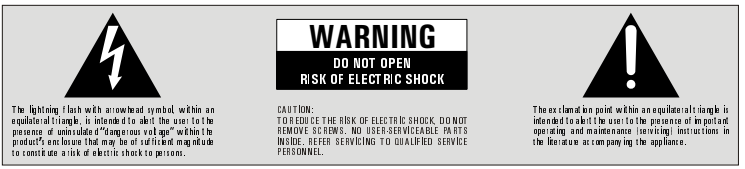
While this player is plugged to the wall outlet, do not place your eyes close to the opening of the disc tray or other openings to look into the inside of this product for your own safety.

Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure. Do not open covers and do not attempt to repair any damaged parts. Refer product to a service technician or qualified professional for any necessary repair.

WARNING

To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.

To reduce the risk of fire or electric shock, and any interference, use the recommended accessories only.


The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
WARNING
DO NOT OPEN
RISK OF ELECTRIC SHOCK
CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE SCREWS. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

UK PLUG WARNING

IMPORTANT

The mains lead on this equipment may be supplied with a moulded plug incorporating a fuse, the value of which is indicated on the pin face of the plug. Should the fuse need to be replaced, an ASTA or BSI approved BS1362 fuse must bu used of the same rating. If the fuse cover is detachable never use the plug with the cover omitted. If a replacement fuse cover is required, ensure it is of the same colour as that visible on the pin face of the plug. Fuse covers are available from your dealer.

DO NOT cut off the mainsplug from tis equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

Should it be necessary to change the mains plug, this must be carried out by a competent person, preferably a qualified electrician.

If there is no alternative to cutting off the mains plug, ensure that you dispose of it immediately, having first removed to fuse, to avoid a possible shock hazard by inadvertent connection to the mains supply.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue : NEUTRAL

Brown : LIVE

As these colours may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:

The wire coloured BLUE must be connected to the terminal marked with the letter **N** or coloured BLUE or BLACK. The wire coloured BROWN must be connected to the terminal marked with the letter **L** or coloured BROWN or RED.

On no account connect either of these wires to the terminal marked E or by the earth symbol ⏚ or coloured green or green and yellow.

Alternatively, this equipment may be supplied with a rewireable plug already fitted, which may be removed if not suitable and an alternative fitted in accordance with the preceding instructions.

CONTENTS

SAFETY INFORMATION 1
WARNING 1
UK PLUG WARNING 2
CONTENTS 3
ABOUT THIS MANUAL 4
ACCESSORIES 5
GENERAL PROPERTIES 6
DISC TYPES COMPATIBLE WITH THIS UNIT 7
NOTES ON CD-R AND CD-RW DISCS 8
NOTES ON DISCS 9
SAFETY PRECAUTIONS 10
FRONT PANEL FUNCTIONS 11
FRONT PANEL DISPLAY 12
REAR PANEL PARTS 13
CONNECTION OF YOUR DVD PLAYER WITH TV 14
CONNECTION OF YOUR DVD PLAYER WITH AV AMPLIFIER 16
FITTING BATTERIES IN YOUR REMOTE CONTROL 17
REMOTE CONTROL 17
REMOTE CONTROL FUNCTIONS 18
DVD PLAYBACK 19
DIRECT SELECTION OF SCENES 20
REPEAT PLAY 21
CONVENIENT FUNCTIONS 22
VIDEO CD PLAYBACK 24
DIRECT SELECTION OF SCENES 26
REPEAT PLAY 27
CONVENIENT FUNCTIONS 27
AUDIO CD PLAYBACK 28
DIRECT SELECTION OF TRACKS 29
REPEAT PLAY 30
CONVENIENT FUNCTIONS 30
CD MENU 31
USING SETUP MENU 34
MENU ITEMS 35
TROUBLESHOOTING 38
SPECIFICATIONS 39
DEFINITION OF TERMS 40
SOME DOS AND DON'TS ON THE SAFE USE OF EQUIPMENT 41
UK GUARANTEE 42

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ABOUT THIS MANUAL

Instructions in this manual describe the controls on the player. You can also use the controls on the remote if they have the same or similar names as those on the player.

Dear Customers

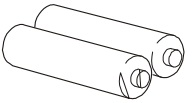
We would like to thank you for purchasing this DVD/VCD/CD/CD-R/CD-RW/MP3/JPEG/MPEG player.

We strongly recommend that you carefully study the operating instructions before attempting to operate the unit and that you note the listed safety precautions.

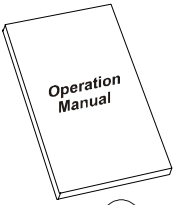
ACCESSORIES

In the packaging material you will find the following:

a



b



c

(a) Remote control

(b) Two R03 (AAA) batteries for remote control.

(c) Operation Manual

GENERAL PROPERTIES

1) DVD/VCD/CD/CD-R/CD-RW/MP3/JPEG/MPEG playback

2) NTSC/PAL playback (according to disc content)

3) User-friendly multilanguage OSD menu control

4) Vacuum Fluorescent Display (VFD)

5) Dolby Digital, DTS, LPCM audio via coaxial digital audio outputs.

6) Multiple Aspect Ratio support (16:9 Widescreen, 4:3 Letterbox, 4:3 PAN & SCAN)

7) Multi-Audio (up to 8) support

8) Multi-Subtitle (up to 32) support

9) Multi-Angle (up to 9) support

10) 8 parental level

11) Fast forward and rewind in different speeds.

12) Smooth and seamless playback in 2x speed.

13) Slow motion playback in different speeds.

14) Frame by frame forward playback

15) Time Search

16) Repeat

17) A – B repeat

18) Different play modes for Audio CD, MP3, JPEG and MPEG (Normal/Shuffle/Intro)

19) Program function for Audio CD, MP3 and JPEG

20) Scart Socket

21) Composite Video output

22) S-Video output

23) Coaxial and optical Digital Audio outputs

24) Analogue Audio Output

DISC TYPES COMPATIBLE WITH THIS UNIT

This player can play the following discs.

Disc Types (Logos)	Recording Types	Disc Size	Max. Playing Time	Characteristics
DVD	Audio + Video	12 cm	Single - sided; 240 min. Double - sided; 480 min.	• DVD contains excellentsound and video due to Dolby Digital and MPEG-2 System. • Various screen and audio functions can be easily selected through the on screen menu.
		8 cm	Single - sided; 80 min. Double - sided; 160 min.	
VIDEO-CD	Audio + Video	12 cm	74 min.	• Video with CD sound, VHS quality & MPEG-1 compression technology.
		8 cm	20 min.	
AUDIO-CD	Audio	12 cm	74 min.	• An LP is recorded as an analogue signal with more distortion. CD is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.
		8 cm	20 min.	
MP3-CD	Audio (xxxx.mp3)	12 cm	It depends on MP3 quality.	• MP3 is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.
		8 cm		
PICTURE-CD	Video (still picture)	12 cm	It depends on JPEG quality.	• JPEG is recorded as a Digital Signal with better picture quality over time.
		8 cm		

NOTES ON CD-R AND CD-RW DISCS

• CD-R (Recordable) and CD-RW (Rewritable) discs, recorded by the users, may only be used after finalization process.

• CD-R and CD-RW discs may not be usable, depending on the disc features, recording conditions and damage or dirt on disc. The disc configuration and features are determined by the tool and device used for recording. Therefore, users may face with the following undesired consequences:

- Some discs may not be read at all.
- Some discs may cause system crash after playing for a while.
- Some parts of the disc may be skipped or worked abnormally.

• Compare with the original discs, the time passed for reading a CD-R and CD-RW discs may be longer.

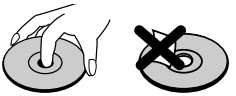
NOTES ON DISCS

On handling discs

• To keep the disc clean, handle the disc by its edge. Do not touch the surface.

• Do not stick paper or tape on the disc.

• If the disc is contaminated with any substance like glue remove before using it.

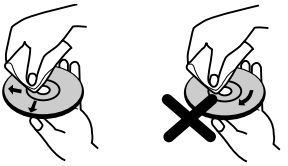


• Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as the temperature can rise quickly and damage the disc.

• After playing, store the disc in its case.

On cleaning

• Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center out.



• Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.

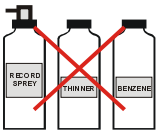
Discs that should not be used

Only the discs including the marks shown on page 5 can be played.

Note, however, that discs with special shapes (heart-shaped discs, hexagonal discs, etc.) cannot be played. Do not attempt to play such discs, as they may damage the player.

NOTE:

Do not use record spray or antistatic. Also do not use volatile chemicals such as benzene or thinner.



SAFETY PRECAUTIONS

Power Source

The unit should be operated only from a 220-240V~ 50 Hz outlet. Please do not open the cover by yourself. There is high voltage in the set, which will endanger your life. Please contact local service agent for help and advice. Repairs to be carried out by a qualified technician only.

• The player is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the player itself has been turned off.

• If you are not going to use the player for a long time, be sure to disconnect the player from the wall outlet.

Power Cord

Do not place furniture on, or pinch, the power cord (mains lead). Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Never make a knot in the cord or tie it with other cords. The power cords should be routed in such a way that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask closest service agent for help. Should the AC power cord need to be changed, it should be done at a qualified service shop only.

Choice Of Location

• Please do not place the set in a place subject to direct sun light, excessive dust or mechanical shock or in a location near heat sources.

• The set should be placed on a solid and safe base. Do not place the player on a soft surface such as a rug that might block the ventilation holes on the bottom.

• A location should not be selected such as a room with high humidity, as the condensation, arising in the kitchen for example, may cause malfunction or damage the set.

• Heating or other thermal radiation under the set also may cause malfunction or damage the set.

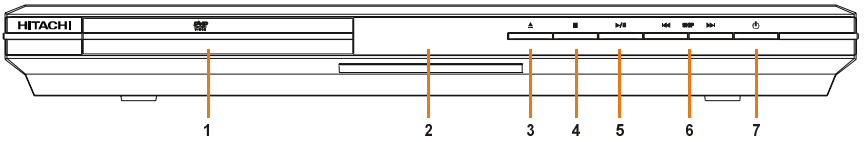
• The hot air, which arises during the operation, should be ventilated with sufficient air circulation. Please do not put the set into closed areas and do not cover it.

• Please avoid contact of the set with water or humidity. Do not put into operation near bath or swimming pools.

• Take care to provide a good air circulation. Place the player in a location with adequate ventilation to prevent heat build-up in the player.

• Should any solid object or liquid fall into the cabinet, unplug the player and have it checked by qualified personnel before operating it any further.

FRONT PANEL FUNCTIONS



1. Disc Tray

Place a disc on the tray.

2. Front Panel Display (VFD)

Indicates the playing time, title, chapter/track, etc.

3. OPEN/CLOSE (⏏) button

Opens or closes the disc tray.

4. STOP button

Stops playing disc.

5. PLAY/PAUSE button

Plays/pauses the disc. For any DVD title that has a root menu with still picture, this button functions as "button select" (selects highlighted item) in the root menu. Otherwise this functioning of "play/pause" button on the root menu will be prohibited by the disc, and "🖐" will appear.

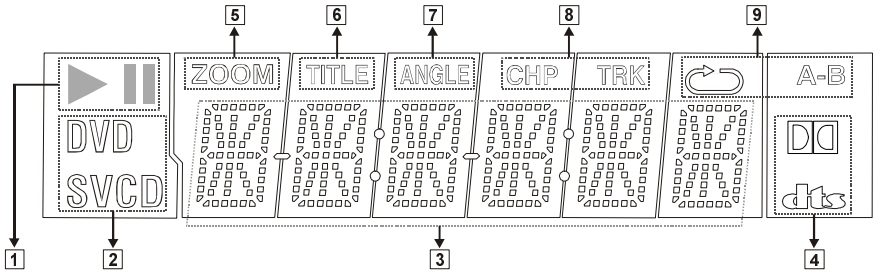
6. SKIP buttons

Press to go back to the preceding chapter/track or go to the next chapter/track.

7. STANDBY button

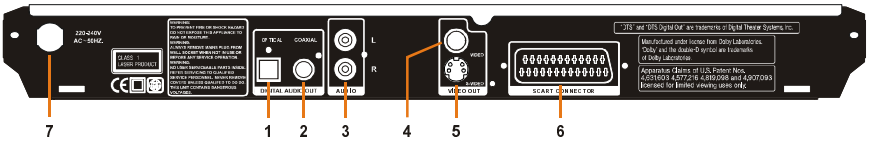
Turns the unit on or switches the unit to standby mode.

FRONT PANEL DISPLAY



1. Play/Pause
2. Current Disc
3. Time or Title / Chapter / Track number
4. Dolby Digital / DTS
5. Zoom
6. Title Number
7. Angle
8. Chapter / Track Number
9. Repeat

REAR PANEL PARTS



1. DIGITAL OUT (OPTICAL) connector

Connects to an audio component using the optical digital connection cord.

2. DIGITAL OUT (COAXIAL) connector

Connects to an audio component using the coaxial digital connection cord.

3. AUDIO connectors

Connects to the AV amplifier by using 2 cords (Left, Right).

4. VIDEO connector

Connects to the video input connectors on the TV.

5. S VIDEO OUT connector

Connects to the S video input connector on the TV.

6. SCART connector.

Connects to the scart-input connector on the TV.

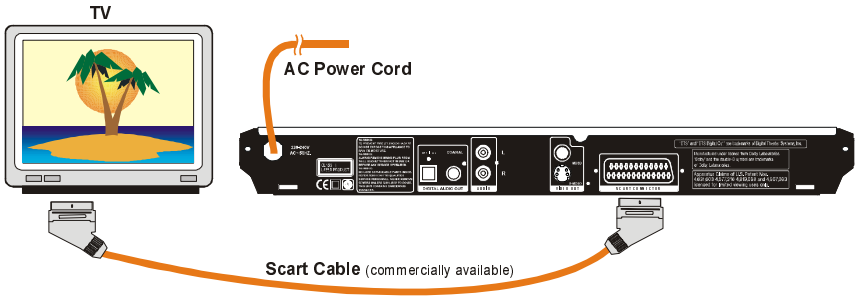
7. AC Power Cord

CONNECTION OF YOUR DVD PLAYER WITH TV

Be sure to turn off the power of each component before making the connections.

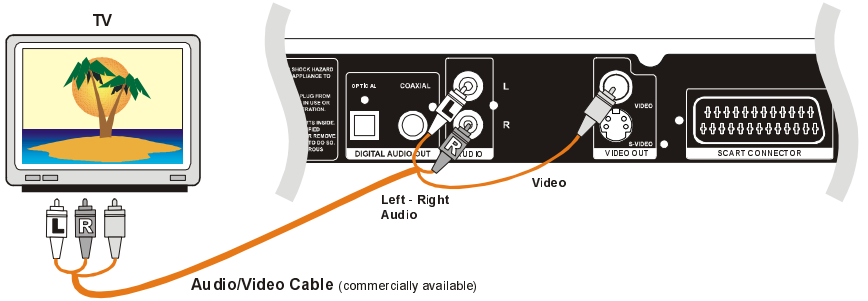
Scart socket

via scart socket with a scart cable gives you the best picture performance. If your DVD player will not be connected to a hi-fi set or A/V amplifier to hear better sound, scart is enough for both audio & video connections.



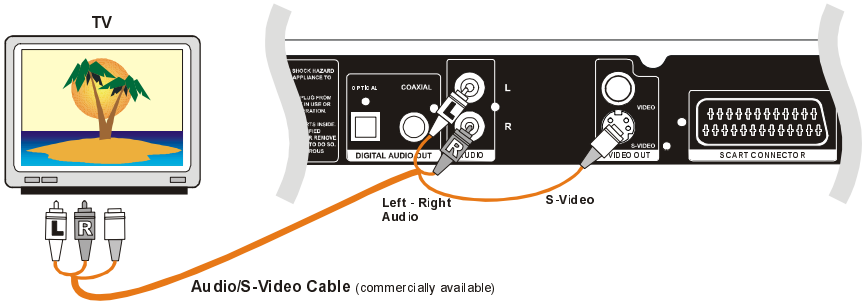
Video & Audio Output sockets

Video (yellow) & audio (Red: right, White: left) output sockets can be used to connect the DVD player to your TV set via cables. To make this connection, your TV set must have Video & audio input connectors. This type of connection is alternative to scart connection. Picture quality is not as good as Scart connection but audio performance is the same.



S-Video Output sockets

S-Video Output socket can be used to have a better picture quality than the video output. Your TV set must have S-video input connector for this type of connection. This socket is used for only video connection. For audio, red & white output sockets must be used. S-video picture quality is not as good as Scart connection.



Putting into operation

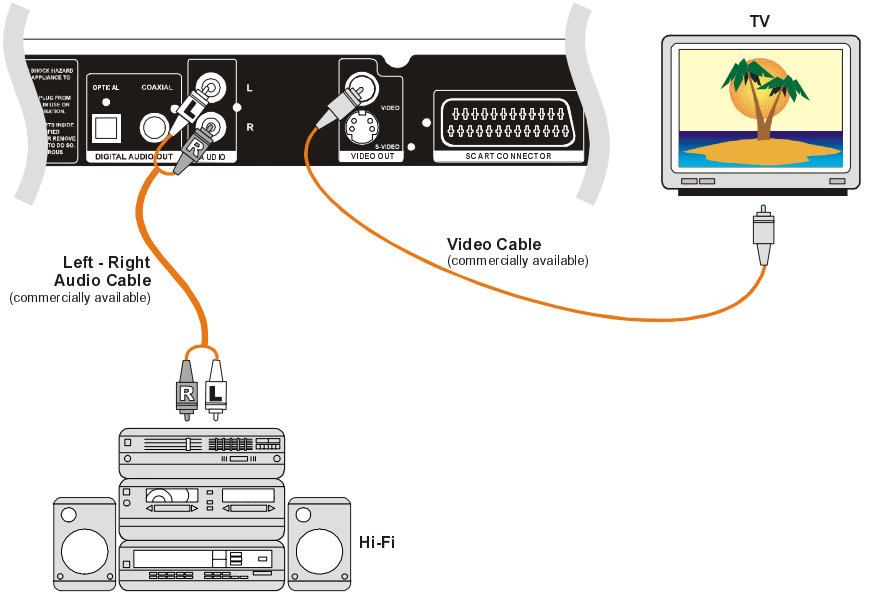
After making the necessary connections stated above, plug the power cord to the mains socket. Unit will be in standby mode. Press standby to turn on the unit. Open the disc tray with open/close button and insert a playable disc (DVD/VCD/CD/CD-R/CD-RW/MP3/JPEG/MPEG). Press open/close button again to close the disc tray and to start operating the player. Player will start playing the disc automatically.

CONNECTION OF YOUR DVD PLAYER WITH AV AMPLIFIER

Be sure to turn off the power of each component before making the connections.

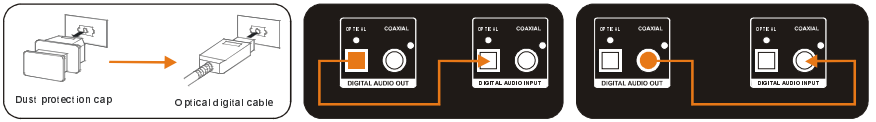
Analogue Audio Output Sockets

To get better sound quality, the unit can be connected to an amplifier via analogue audio left/right outputs.



Digital Audio Output Sockets

For the best sound, the unit can be connected via optical or coaxial digital audio outputs to an AV amplifier with a built-in Dolby Digital decoder.

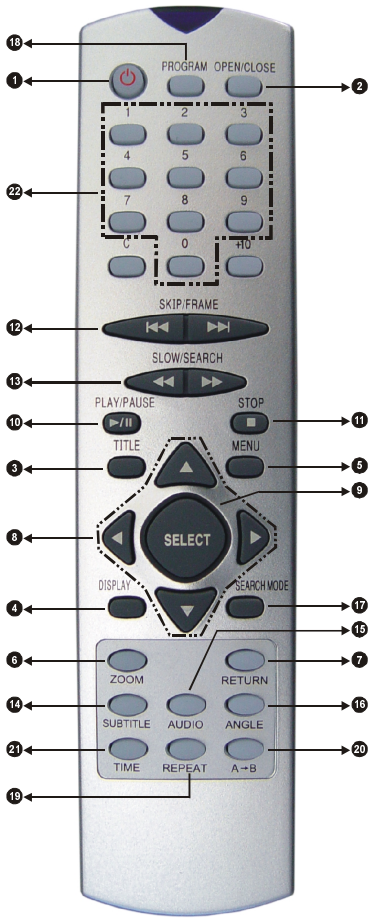


FITTING BATTERIES IN YOUR REMOTE CONTROL

First open the battery cover on the underside of the remote control. Fit both batteries 1.5Volt (R03/AAA) referring to the imprinted symbols (+/-) in the battery case and put on the battery cover again.

While using the remote control, direct it towards the front of the DVD player. If the remote control does not work or the chosen function could not be made, the batteries are most probably exhausted and they should be replaced as soon as possible. Please use only leak proof batteries. If you will not be using your remote control for a long time, it is recommended to take out the batteries from your remote control.

REMOTE CONTROL



REMOTE CONTROL FUNCTIONS

1. **STANDBY button**
   Turns the unit on or switches the unit to **standby** mode.
2. **OPEN/CLOSE (⏏) button**
   Opens or closes the disc tray.
3. **TITLE button**
   Displays the title menu on the TV screen or activates the digest menu in picture cd.
4. **DISPLAY button**
   Displays the current playing status or set-up menu on the TV screen.
5. **MENU button**
   Displays the DVD root menu on screen. During VCD playback, shows the VCD menu if it exists. Press again to resume play.
6. **ZOOM button**
   Zooms the picture.
7. **RETURN button**
   Returns to the preceding selection screen.
8. **Arrow buttons**
   Move to the items or settings.
9. **SELECT button**
   Executes the items or settings.
10. **PLAY/PAUSE button**
    Plays/pauses the disc. For any DVD title that has a root menu with still picture, this button functions as “button select” (selects highlighted item) in the root menu. Otherwise this functioning of “Play/ Pause” button on the root menu will be prohibited by the disc, and "🖐" will appear.
11. **STOP button**
    Stops playing disc.
12. **SKIP/FRAME button**
    Press to go to the next chapter or track or to go back to the preceding chapter or track during playback and next frame during pause.
13. **SEARCH/SLOW button**
    Press to adjust the forward and reverse playback at different speed during playback (fast forward/ reverse) or during pause mode (slow motion).
14. **SUBTITLE button**
    Changes the language of the subtitle while playing a DVD.
15. **AUDIO button**
    Changes the language of the sound while playing a DVD.
16. **ANGLE button**
    Changes the angle when playing a DVD.
17. **SEARCH MODE button**
    Press to select the unit for search (title, chapter, track, time)
18. **PROGRAM button**
    Press to enter the program menu in stop mode for audio CD, MP3 CD and JPEG CD.
19. **REPEAT button**
    Press to execute disc/title/chapter repeat.
20. **A – B button**
    Press to execute the A - B repeat play.
21. **TIME button**
    Changes the playing time display mode of the disc, title, track, on the OSD and front panel display.
22. **Number buttons**
    Press to enter track/chapter/title/time numbers directly.

    C button
    Using this button you can delete mistyped entries or you can cancel some functions.
    +10 button
    Using this button you can enter the numbers greater than 9.

DVD PLAYBACK

Preparations

Turn on your audio system if the player has been connected to an audio system.

Basic Play

1. Press on the standby button

2. Press OPEN/CLOSE (⏏) to open the disc tray.

3. Place a disc onto the tray

Hold the disc without touching either of its surfaces, position it with the printed title side facing up, align it with the guides, and place it in its proper position.

4. Press OPEN/CLOSE (⏏) .

The disc tray is automatically closed and play commences if the disc does not have any menus recorded on it.

A menu may appear on the TV screen after a few moments or the film may start immediately after the introduction of the Film Company. This behaviour depends on the disc content and may change.

NOTE:

• Step 5 and 6 is available only when a menu is recorded on the disc.

5. Press ◀ / ▶ / ▼ / ▲ or the number button(s) to select the preferred title.

6. Press SELECT.

Play of the selected items now starts.The played item may be a motion picture, a still picture or another submenu depending on the disc.

NOTE:

• When using menus the disc controls the behaviour of the player.

For stopping play and returning to the menu screen (when a menu is available on the disc), press MENU or TITLE button depending on the disc. Play is suspended, and the Disc menu screen is displayed.

After operation

When the unit is not in use, remove the disc and press STANDBY to turn off the unit.

NOTE:

• The disc continues to rotate while the menu is displayed even after the player has finished playing a particular item. When no further selections are to be played, be sure to press the STOP (■) button to clear the menu display.

• If the disc is placed in upside down (and it is a single sided disc), the VFD display on the player will indicate BAD DISC .

For your reference:

If an action corresponding to a button is prohibited, the "🖐" symbol appears.

Stopping Play

Press stop (■) twice.

When play is stopped, the unit records the point where STOP (■) was pressed once (RESUME function). Press PLAY / PAUSE again, and play will resume from this point. When the tray is opened or the STOP (■) is pressed again, the RESUME function will be cleared.

To stop to play permanently, press STOP (■) twice. When the STOP (■) button is pressed for the first time, a message "Press play to continue" will appear on the screen to remind you if you want to continue to play. To stop to play press the STOP (■) button again or you can press PLAY/ PAUSE to continue.

Fast Forward / Reverse

Press SEARCH/SLOW (◀◀ Fast reverse or ▶▶ Fast forward) on the remote control or Search ◀◀ or ▶▶ on the main unit during playback.

Normal play is resumed when the PLAY/PAUSE button is pressed.

The speed of forward or reverse changes for every press of the FF or FR button.

Skip Forward / Backward

Press SKIP/ FRAME ⏮ or ⏭.

A chapter is skipped forward or backward each time the button is pressed.

When the button is pressed once midway through a chapter, play returns to the start of that chapter. When it's pressed again, a chapter is skipped each time the button is pressed.

Pause

Press PLAY/PAUSE once during playback.

The screen suspends.

To return to normal play:

Press PLAY/PAUSE again.

Step Forward

Press PLAY/PAUSE once during playback.

The screen suspends.

Press SKIP/ FRAME ⏭.

The next frame of the movie is displayed.

NOTE:

• Reverse stepping is not available.

Slow motion Play Forward / Backward

Press PLAY/PAUSE once during playback.

The screen suspends.

Press SEARCH/SLOW (◀◀ Slow Backward or Slow Forward ▶▶) to increase or decrease the speed of the slow motion play.

The speed of slow motion play is displayed on the screen each time you change it.

To return normal play:

Press PLAY/PAUSE.

NOTE:

• The forward and backward slow-motion operations are not recursive.

Direct Selection of Scenes

Selecting Scenes by Chapter Number

Press SEARCH MODE on the remote control once during playback.

The chapter/title search box is displayed on the screen. You can see the total number of chapters as -/xx.

Enter the number of the chapter using number buttons.

The selected chapter is played just after you enter the chapter number.

If the chapter number you entered is between 0 and 9, player will automatically jump to the related chapter. To enter a chapter number which is more than 1 digit, press +10 KEY and then enter the chapter number.

You can clear the field by pressing the C button if you enter wrong number.

You can press RETURN key to cancel chapter search.

NOTE:

• If you attempt to enter a number greater than the total number of chapters on the current title, it clears the numbers entered and waits for you to enter again.

• If you wait ten seconds without pressing any key for selecting scenes by chapter number operation is cancelled.

Selecting Scenes by Title Number

Press SEARCH MODE on the remote control once during playback.

The chapter/title search box is displayed on the screen.

Press ◀ (Left) button on the remote control to select the title field in the search box to change the title.

You can see the currently playing title and total number of titles as -/xx.

Enter the number of the title using number buttons.

The selected title is played just after you enter the title number.

Enter the title number between 0 and 9, your request will be acknowledged immediately without pressing any other key. To select a title number which is more than 1 digit, press +10 KEY and then enter the title number.

You can clear the field by pressing the C button if you enter wrong number.

You can press RETURN key to cancel title search.

NOTE:

• If you attempt to enter a number greater than the total number of titles, it clears the numbers entered and waits for you to enter again.

• If you wait ten seconds without pressing any key for selecting scenes by title number operation is cancelled.

Selecting Scenes by Time

You can view the DVD starting from any time point you want.

Press SEARCH MODE on the remote control " twice " during playback.

The time search box is displayed on the screen. You can see the total runtime of the title as --:--:--/ xx:xx:xx

Enter the time using number buttons.

The title is played beginning from the desired time just after you enter the time. If not prohibited by the DVD.

You can clear the fields by pressing the C button if you enter wrong numbers.

You can press RETURN key to cancel time search.

NOTE:

• If you attempt to enter a number greater than the total time of the current title, it clears the numbers entered and waits for you to enter again.

• If you wait ten seconds without pressing any key for entering time, selecting scenes by time operation is cancelled.

Repeat Play

Repeat Viewing

Press REPEAT during playback.

Each time this button is pressed, a different repeat box is displayed on the screen.

If **"CHAPTER REPEAT ON"** is displayed, the current chapter will be played again.

If **"TITLE REPEAT ON"** is displayed, the current title will be played again.

If **"REPEAT OFF"** is displayed, the repeat mode is disabled.

NOTE:

• Repeat play may be prohibited by some DVD titles.

Repeating sections between two specific points. (A – B repeat)

Press A-B during playback at the point where repeat play is to commence (A).

" A TO B SET A " is displayed.

Press A-B again at the point where repeat play is to be concluded (B).

" A TO B SET B " is displayed and the repeat play of the selection between points A and B starts, If not prohibited by the DVD.

To return to normal play:

Press A-B again. "A TO B CANCELLED " is displayed and the A-B Repeat is disabled.

Convenient Functions

Displaying the time information

Press **DISPLAY** during playback.

During playback, each time this button is pressed, some information is displayed on TV screen to indicate the current status of the disc. In the display screen you can find the following information lines:

Line 1: Title & Chapter Numbers

Line 2: Audio Format, Number of Output Channels & Audio Language

Line 3: Subtitle Language Number & Subtitle Language

Line 4: Time Counter Mode & Time Counter

Pressing DISPLAY button once more closes this information screen.

You can also reach time information screen by pressing TIME key.

Time counter modes can be selected by pressing TIME key consecutively.

First hit to TIME key: **TITLE ELAPSED** Mode

Second hit to TIME key: **TITLE REMAIN** Mode

Third hit to TIME key: **CHAPTER ELAPSED** Mode

Fourth hit to TIME key: **CHAPTER REMAIN** Mode

If **"TITLE ELAPSED"** is displayed, the elapsed time for the title is being displayed.

If **"TITLE REMAIN"** is displayed the remaining time for the title is being displayed.

If **"CHAPTER ELAPSED"** is displayed, the elapsed time for the chapter is being displayed.

If **"CHAPTER REMAIN"** is displayed, the remaining time for the chapter is being displayed.

If you wait ten seconds without pressing any key for changing time mode, time information on screen disappears.

Displaying a scene with a larger and closer view

Zoom function enables you to take a closer look at the scene you are viewing that is especially a considerate function when you are watching science fiction or adventure film.

By pressing ZOOM key consecutively, you can reach different zoom modes.

NOTE:

• You can move in the picture i.e change the zoomed location by using the ◄ / ► / ▼ / ▲ arrow keys.

To return to normal play:

Press ZOOM again. "Zoom Off" is displayed on the screen and the picture is now in its normal size.

Displaying / Changing Subtitle Language

It is possible to change the subtitle language from the one selected at the initial settings to a different language, if available.

(This operation works only with discs on which multiple subtitle languages are recorded, if not prohibited by the disc.)

Press SUBTITLE during playback.

When no subtitles are recorded **"🖐"** will be displayed instead of the selected language.

Press SUBTITLE a number of times until the preferred language is selected.

When this button is pressed once, the first subtitle recorded on the disc will be displayed. The rest of the subtitles recorded will be displayed in sequence for every press of the SUBTITLE button.

Usually a circulation will happen while switching to another language, that is you can cancel the subtitle by pressing this button a number of times until "Subtitle Off " appears on the screen.

NOTE:

• When the preferred language is not selected even after pressing the button several times, it means that the language is not available on the disc.

• When the player is restarted or the disc is changed, the subtitle selection is automatically changed back to the initial settings.

Changing Audio Soundtrack Language

It is possible to change the audio language from the one selected at the initial settings to a different language, if available.

(This operation works only with discs on which multiple audio soundtrack languages are recorded, if not prohibited by the DVD.)

Press AUDIO during playback.

Press AUDIO a number of times until the preferred language is selected.

NOTE:

• When the preferred language is not selected even after pressing the button several times, it means that the language is not available on the disc.

• When the standby is turned on or the disc is removed, the language heard is the one selected at the initial settings. If this language is not recorded on the disc, only the available language on the disc will be heard.

Viewing From Another Angle

Some DVD discs may contain scenes, which have been shot simultaneously from a number of different angles. For these discs, the same scenes can be viewed from each of these different angles using the ANGLE button.

The number of recorded angles differs depending on the disc used.

"y/x" is displayed shortly on the screen during playback. This indicates that the multi-angle scene has just started. Also on unit's display 'ANGLE' message appears. From that moment on, the **y**th angle of total **x** angles is played and you can change the viewing angle until the end of the multi-angle scene.

In SETUP menu, an 'ANGLE MARK' option exists, which, if enabled, will display a continuous angle mark on the screen as long as multi-angle scene is available.

Press ANGLE during playback.

The current angle is changed

Press ANGLE a number of times until the preferred viewing angle is selected.

NOTE:

• This function will only work on discs where different angles have been recorded.

• The viewing angles are shown on the screen. You can select one from them for viewing.

• If you press ANGLE outside of a multi-angle scene on a multi-angle title, " " is displayed. It means that only one angle is currently available.

Using a DVD Menu

Some DVD discs have unique menu structures called DVD menus. For example, DVDs programmed with complex content provide guide menus, and those recorded with various languages provide menus for audio and subtitle language. Although the DVD menus' content and operation differ from disc to disc, the following explains basic operation when this feature is used.

Press TITLE or MENU during playback.

The DVD menu available on the disc is now displayed.

NOTE:

If you press MENU, the root menu of DVD is displayed.

If you press TITLE, the menu of the current title is displayed.

Press ◀ / ▶ / ▼ / ▲ to select the preferred item.

Press SELECT

The selected item is now executed.

You can also use number keys to select a DVD menu item. The player will automatically execute the item. To enter an item number which is more than 1 digit, press +10 key and then enter the item number.

To resume the playback, select PLAY item in DVD menu.

NOTE:

• Some DVDs may not contain root and/or title menus.

VIDEO CD PLAYBACK

Preparations

Press to turn it on the standby button of your audio system if the player has been connected to an audio system.

Basic Play

1. Press to turn the player on the standby button
2. Press OPEN/CLOSE (⏏) to open the disc tray.
3. Place a disc onto the tray

Hold the disc without touching either of its surfaces, position it with the printed title side facing up, align it with the guides, and place it in its proper position.

4. Press OPEN/CLOSE (⏏) .

The disc tray is automatically closed.

For Video CDs without playback control:

Play commences immediately.

For Video CDs provided with playback control:

If disc contains a menu, it will appear on the screen after a few moments.

Menu Play

This function works only with video CDs with playback control (version 2.0)

The details differ depending on the disc concerned. Also refer to the instructions accompanying the disc.

After steps 1 to 4 above the menus are displayed on the TV screen

5. Press the number button(s) to select the preferred item.

The player now starts to play the selected item.

NOTE:

• Use +10 button to enter two-digit-numbers.

• ◀ / ▶ / ▼ / ▲ arrow buttons are not used for selecting items for video CDs.

What is playback control?

If a video CD has "playback control " written on the disc of jacket, it means that particular scenes or information can be selected for viewing interactively with TV screen using the menu screen.

NOTE:

• TITLE button is dedicated to PBC " playback control" during VCD playback. You can change PBC mode with TITLE button.

• PBC on is default. Whenever you put the disc, it will be on.

After step 4, press SKIP/ FRAME ⏭ .

To return to the previous menu screen press SKIP/ FRAME ⏮.

After operation

When the unit is not in use, remove the disc and press STANDBY to turn off the unit.

NOTE:

• The disc continues to rotate while the menu is displayed even after the player has finished playing a particular item. When no further selections are to be played, be sure to press the STOP (■) button to clear the menu display.

• If the disc is placed in upside down (and it is a single sided disc), the VFD display on the player will indicate BAD DISC .

For your reference:

When "✋" symbol appears while a button is being operated on upper-left corner of OSD, it means that the player prohibits the corresponding operation.

Stopping Play

Press stop (■) twice.

When play is stopped, the unit records the point where STOP (■) was pressed once (RESUME function). Press PLAY / PAUSE again, and play will resume from this point. When the tray is opened or the STOP (■) is pressed again, the RESUME function will be cleared.

To stop to play permanently, press STOP (■) twice. When the STOP (■) button is pressed for the first time, a message "Press play to continue" will appear on the screen to remind you if you want to continue to play. To stop to play press the STOP (■) button again or you can press PLAY/ PAUSE to continue.

Fast Forward / Reverse

Press SEARCH/SLOW (◀◀ Fast reverse or ▶▶ Fast forward) during playback.

Normal play is resumed when the PLAY/PAUSE button is pressed.

The speed of advance or reverse changes for every press of the FF or FR button.

Skip Forward / Backward

Press SKIP/ FRAME ⏮ or ⏭ during playback.

A chapter is skipped forward or backward each time the button is pressed.

When the button is pressed once midway through a chapter, play returns to the start of that chapter. When it is pressed again, a chapter is skipped each time the button is pressed.

Pause

Press PLAY/PAUSE once during playback.

The screen suspends.

To return to normal play:

Press PLAY/PAUSE again.

Step Forward

Press PLAY/PAUSE once during playback.

The screen suspends.

Press SKIP/ FRAME ⏭.

The next frame of the movie is displayed.

NOTE:

• Reverse stepping is not available.

Slow motion Play Forward / Backward

Press PLAY/PAUSE once during playback.

The screen suspends.

Press SEARCH/SLOW (◀◀ Slow Backward or Slow Forward ▶▶) to increase or decrease the speed of the slow-motion play.

The speed of slow motion play is displayed on the screen each time you change it.

To return normal play:

Press PLAY/PAUSE.

Direct Selection of Scenes

Selecting Scenes by Time (only for version 2.0 VCDs)

You can view the video CD, starting from any time point you want.

Press SEARCH MODE on the remote control once during playback.

The time search box is displayed on the screen as TRACK TIME _ _ : _ _ : _ _ / xx : xx : xx

Enter the time using number buttons.

Player goes to entered time of the current track.

Press SEARCH MODE on the remote control twice during playback.

The time search box is displayed on the screen as DISC TIME _ _ : _ _ : _ _ / xx : xx : xx

Enter the time using number buttons.

Player goes to entered time of the disc.

If you give up entering the time simply press RETURN, and the operation is cancelled.

NOTE:

• Disc search is available only when PBC is off.

• If you attempt to enter a number greater than the total time of the disc or current title, it clears the numbers entered and waits for you to enter again.

• If you wait ten seconds without pressing any key for selecting scenes by title number operation is cancelled.

Accessing tracks using number buttons:

You can play any track you want, just by pressing the corresponding number button.

For the track numbers which are greater than “9” use +10 button. Press this button once and then type the two digit track number.

If you attempt to enter a number greater than the total number of tracks on disc, "✋" symbol appears on upper-left corner of screen.

NOTE:

• This operation is available only when PBC is off.

Repeat Play

Press REPEAT during playback.

Each time this button is pressed, a different repeat box is displayed on the screen.

If **"REPEAT TRACK"** is displayed, the current title will be played again.

If **"REPEAT ALL"** is displayed, the whole disc will be played again.

If **"REPEAT OFF"** is displayed, the repeat mode is disabled.

NOTE:

Repeat Modes are available only when PBC is off.

Repeating sections between two specific points.(A – B repeat)

Press A-B during playback at the point where repeat play is to commence (A).

"A TO B SET A" is displayed on screen.

Press A-B again at the point where repeat play is to be concluded (B).

"A TO B SET B" is displayed and the repeat-play of the selection between points A and B starts.

To return to normal play:

Press A-B again. "A TO B CANCELLED" is displayed and the A-B Repeat is disabled.

NOTE:

• If you give up entering the point B after entering A simply press RETURN, and the operation is cancelled.

Convenient Functions

Displaying the time information

Press TIME during playback.

Each time this button is pressed, a different time information box is displayed on the screen.

If **"SINGLE ELAPSED"** is displayed, the VFD display on the unit shows the elapsed time for the title which is being played

If **"SINGLE REMAIN"** is displayed, the VFD display on the unit shows the remaining time for the title which is being played

If **"TOTAL ELAPSED"** is displayed, the VFD display on the unit shows the elapsed time for the disc which is being played

If **"TOTAL REMAIN"** is displayed, the VFD display on the unit shows the remaining time for the disc which is being played

Displaying a scene with a larger and closer view

This zoom in function enables you to take a closer look at the scene you are viewing.

This is a useful function when you are watching science fiction or adventure film.

Press ZOOM during playback.

You can change the zooming ratio by pressing ZOOM button more than once.

NOTE:

• You can move in the picture i.e change the zoomed location by using the ◀ / ▶ / ▼ / ▲ arrow keys.

To return to normal play:

After the biggest zoom ratio, press ZOOM again. "Zoom Off" is displayed on the screen and the picture is now in its normal size.

Intro - Digest menu

Press STOP button if it is in play mode.

Press MENU button in order to see the menu. This menu contains:

1. Intro
2. Disc
3. Track
4. Exit

Intro

Intro menu is used for introducing the content of the disc.

When you select INTRO option, it plays only first 10 seconds of each track and then passes to the next track.

After the last track it stops playing.

Disc

When you select DISC option, unit goes into digest mode and 9 pictures each of which shows the first scene of the tracks are displayed on the screen.

Using the arrow keys, a picture can be selected. When it is focused, the picture starts playing within the frame.

Press SELECT button to start full-screen playback of the selected scene.

Press SKIP/FRAME buttons in order to display next or previous 9 scenes in digest mode.

Press TITLE button to cancel the digest mode.

Track

When you select TRACK option, unit goes into digest mode and 9 pictures which show different scenes from the first track, are displayed on the screen.

Using the arrow keys, a picture can be selected. When it is highlighted, the picture starts playing within the frame.

Press SELECT button to start playing of the selected scene.

Press SKIP/FRAME buttons in order to display 9 scenes of next or previous track.

Press TITLE button to cancel the digest mode.

Exit

Use this option to quit menu.

AUDIO CD PLAYBACK

Preparations

Turn to turn the player on your audio system if the player has been connected to an audio system.

Basic Play

1. Press on the standby button
2. Press OPEN/CLOSE (⏏) to open the disc tray.
3. Place a disc onto the tray

Hold the disc without touching either of its surfaces, position it with the printed title side facing up, align it with the guides, and place it in its proper position.

4. Press OPEN/CLOSE (⏏) .

Play is commenced.

After operation

When the unit is not in use, remove the disc and press STANDBY to turn off the unit.

NOTE:

• If the disc is placed in upside down (and it is a single sided disc), the VFD display on the player will indicate BAD DISC.

For your reference:

When **"✋"** appears while a button is being operated , it means that the corresponding operation is prohibited by the player .

Stopping Play

Press stop (■) twice.

When play is stopped, the unit records the point where STOP (■) was pressed once (RESUME function). Press PLAY / PAUSE again, and play will resume from this point. When the tray is opened or the STOP (■) is pressed again, the RESUME function will be cleared.

To stop to play permanently, press STOP (■) twice. When the STOP (■) button is pressed for the first time, a message "Press play to continue" will appear on the screen to remind you if you want to continue the play. To stop to play press the STOP (■) button again or you can press PLAY/ PAUSE to continue.

Fast Forward / Reverse

Press SEARCH/SLOW (◀◀ Fast reverse or Fast forward ▶▶) during playback.

The speed of advance or reverse changes for every press of the FF or FR button. You can also resume normal play using these buttons.

Normal play is resumed when PLAY/PAUSE button is pressed.

NOTE:

No sound will be heard during rapid advance or rapid reverse.

Skip Forward / Backward

Press SKIP/ FRAME ⏮ or ⏭ during playback.

A track is skipped forward or backward each time the button is pressed.

When the button is pressed once midway through a track, play returns to the start of that track. When it's pressed again, a track is skipped each time the button is pressed.

Pause

Press PLAY/PAUSE once during playback.

The play suspends.

To return to normal play:

Press PLAY/PAUSE again.

Direct Selection of Tracks

Selecting by Time

You can play the audio CD starting from any time point you want.

Press SEARCH MODE on the remote control during playback.

The time search box is displayed on the screen as TRACK TIME _ _ : _ _ : _ _ / xx : xx : xx

Enter the time using number buttons.

Player goes to entered time of the current track.

Press SEARCH MODE on the remote control two times during playback.

The time search box is displayed on the screen as DISC TIME _ _ : _ _ : _ _ / xx : xx : xx

Enter the time using number buttons.

Player goes to entered time of the disc.

NOTE:

If you give up entering the time simply press RETURN, and the operation is cancelled.

• If you wait ten seconds without pressing any key for selecting scenes by title number operation is cancelled.

Accessing tracks using number buttons

You can play any track you want, just by pressing the corresponding number button.

For the track numbers which are greater than "9" use +10 button. Press this button once and then type the two-digit track number.

If you attempt to enter a number greater than the total number of tracks on disc, "✋" symbol is displayed on screen.

Repeat Play

Press REPEAT during playback.

Each time this button is pressed, a different repeat box is displayed on the screen.

If **"REPEAT TRACK"** is displayed, the current track will be played again.

If **"REPEAT ALL"** is displayed, the whole disc will be played again.

If **"REPEAT OFF"** is displayed, the repeat mode is disabled.

NOTE:

If the play list is active, the playlist is repeated instead of the whole disc in "Repeat All" case.

Repeating sections between two specific points.(A – B repeat)

Press A-B during playback at the point where repeat play is to commence (A).

"A TO B SET A" is displayed.

Press A-B again at the point where repeat play is to be concluded (B).

"A TO B SET B" is displayed and the repeat-play of the selection between points A and B starts.

To return to normal play:

Press A-B again. "A TO B CANCELLED" is displayed and the A-B Repeat is disabled.

NOTE:

If you give up entering the point B after entering A simply press RETURN, and the operation is cancelled.

Convenient Functions

Displaying the time information

Press TIME during playback.

Each time this button is pressed, an information box is displayed on TV screen to indicate the status of the time displayed on the VFD display.

If **"SINGLE ELAPSED"** is displayed, the VFD display on the unit shows the elapsed time for the track that is being played.

If **"SINGLE REMAIN"** is displayed, the VFD display on the unit shows the remaining time for the track which is being played.

If **"TOTAL ELAPSED"** is displayed, the VFD display on the unit shows the elapsed time for the disc which is being played

If **"TOTAL REMAIN"** is displayed, the VFD display on the unit shows the remaining time for the disc which is being played.

Program Function

Press STOP button if it's playing.

Press PROGRAM button to select program mode.

Enter track numbers that you want to add to program list.

For the track numbers which are greater than "9", use "+10" button. Press this button once and than type the two digit track number.

Press **PLAY/PAUSE** button to finish the program entry.

Screen is cleared and it will start playing the program list.

NOTE:

• If you attempt to enter a number greater than the total number of tracks on disc, it clears the numbers entered and waits for you to enter again.

You can remove the last track of the play list by pressing the C button.

The program is cancelled when:

- The disc track is opened or closed.

- The power is turned off.

Intro Menu

Press STOP button if it is playing.

Press MENU button in order to see the menu. This menu contains:

1. Intro

2. Shuffle On/Off

3. Program

4. Exit

Intro

Intro menu is used for introducing the content of the disc.

When you select INTRO option, it plays only first 10 seconds of each track and than passes to the next track.

After the last track it stops playing.

Shuffle

When you set SHUFFLE on, it plays the tracks once in a random order.

Program

When you select PROGRAM option, it activates the program mode.

Exit

Use this option to quit menu.

CD MENU

To see the directory structure (menu) of JPEG/MP3/MPEG CDs, you should set CD MENU option to WITH MENU in setup page.

If CD MENU option is set to NO MENU, the content is automatically played without displaying menu.

Basic Play

1. Press to turn the player on the STANDBY button

2. Press OPEN/CLOSE to open the disc tray

3. Place a CD-R / CD-RW disc onto the tray

Hold the disc without touching either of its surfaces, position it with the printed title side facing up, align it with the guides, and place it in its proper position.

4. Press OPEN/CLOSE to close the disc tray

DISC LOADING message appears on screen. Please wait for a moment.

CD MENU appears. Directories are on the left part and files in the selected directory are on the right part.

5. Press UP/DOWN to select file to be played.

In the stop mode you can navigate in all directories. If an MP3 track is playing, only the current directory can be used for navigation.

6. Press SELECT, LEFT, RIGHT to switch between directories & files

On the right part:

On the right part press RETURN to go to parent directory.

Press LEFT to switch to directories.

On the left part :

Press RIGHT or SELECT to switch to files. Selected directory content is displayed on the right after reading directory. First item is highlighted initially.

7. Press SELECT on a file to play

Alternatively, you can press corresponding number keys to select a file in current directory.

MP3/MPEG File :

Selected MP3/MPEG starts to play.

Elapsed or Remaining Time is displayed according to Time Mode.

JPEG File :

Selected JPEG is displayed in full screen.

Slide Show starts automatically.

Pause

Press PLAY/PAUSE once during playback.

The play suspends. PAUSE message appears on screen.

To return to normal play:

Press PLAY/PAUSE again.

Stopping Play

Press stop (■) twice.

The play is stopped. STOP message appears on screen for a while.

When play is stopped, the unit records the point where STOP (■) was pressed once (RESUME function). Press PLAY / PAUSE again, and play will resume from this point. When the tray is opened or the STOP (■) is pressed again, the RESUME function will be cleared.

To stop to play permanently, press STOP (■) twice. When the STOP (■) button is pressed for the first time, a message "Press play to continue" will appear on the screen to remind you if you want to continue to play. To stop the play press the STOP (■) button again or you can press PLAY/ PAUSE to continue.

Fast Forward / Reverse

For MP3/MPEG:

Press SEARCH / SLOW ◀◀ / ▶▶ during playback to decrease/increase play speed.

NOTE:

• No sound will be heard during fast forward or reverse.

Skip Forward / Backward

Press SKIP/ FRAME ⏮ or ⏭ during playback.

Next file in the current directory will be played.

Image transformation

Only for JPEG :

Press PLAY to start slide show.

There are three modes of transformation:

- Invert

- Left

- Right

These operations are allowed only when a picture is being displayed normally, and will be cancelled automatically when a new picture is displayed. The arrow keys are used to select the different transformation modes.

Press UP to invert/normal

Press LEFT to turn left

Press RIGHT to turn right

Zoom

Only for JPEG:

Press PLAY to start slide show.

Both ZOOM in/out and Zoom pan functions are provided for JPEG pictures.

Press ZOOM to turn on/off this function

When this mode is on, any picture will be displayed at the last ratio selected by the user.

A message will indicate the current ratio on screen.

If zoom mode is on,

Press SLOW/SEARCH to control the ratio of zoom in/out.

NOTE:

• During ZOOM function, image transformation is disabled.

Digest Mode:

Only for JPEG:

Press PLAY button to start slide show.

Press TITLE button during JPEG slide show. Unit goes into digest mode and “9” pictures are displayed on screen.

Using the arrow keys, a picture can be selected.

Press SELECT button to display the selected picture.

Press SKIP/FRAME buttons in order to display next or previous “9” pictures in digest mode.

Press TITLE button to cancel the digest mode.

Repeat Modes

Press REPEAT to change current repeat mode.

Repeat mode is displayed for a while in slide show mode.

In **CD MENU** it is displayed at the bottom.

Displaying The Time Information

Press TIME to change displayed time mode.

Play Modes

Press STOP button.

Press RIGHT to go to Play Modes menu.

Press SELECT to change play mode.

The options available are:

FOLDER NORMAL

When this play mode is selected, the current folder will be played once.

FOLDER REPEAT

When this play mode is selected, the current folder will be repeated continuously.

DISC SCAN

When this play mode is selected, the first 10 seconds of all tracks will be played.

DISC NORMAL

When this play mode is selected, the disc will be played once.

DISC REPEAT

When this play mode is selected, the disc will be repeated continuously.

SHUFFLE

When this play mode is selected, the tracks in the current folder will be played once in a random order.

SINGLE TRACK

If this option is chosen, the selected track will be played only once.

REPEAT TRACK

If this option is chosen, the selected track will be repeated continuously.

Program Function

Press PROGRAM to select program mode in stop mode.

PROGRAM Message appears.

Press NUMBER keys to select files in the current directory.

Alternatively, you can use UP / DOWN keys and then press SELECT to add selected file into the program list.

PROGRAM Message appears with the current file index and the total files in the list.

Press STOP to finish program.

PROGRAM Message appears at the bottom of **CD MENU**.

Press PLAY to start program.

PLAY Message appears.

Files in the program list are played sequentially.

NOTE:

• You can use trick mode keys, skip prev/next files, and so on.

• You can remove the last track of the playlist by pressing the C button.

• The program remains even after the Program Play ends

If you want to quit program mode:

Press STOP key if a track is being played.

Press PROGRAM key.

Press STOP key again.

The program is cancelled when:

- The disc tray is opened or closed

- The standby is turned off

- In each directory change

USING SETUP MENU

Press DISPLAY key on the remote control when the player is not in playback mode.

The setup menu-main page appears. This is the menu, where you can change the device's settings.

USING MAIN PAGE

Select items using ▼ / ▲ up/down arrow buttons.

When selected, the item will be highlighted.

Press SELECT to change highlighted item.

The submenu for the selected item appears on the screen.

SETUP menu will only be available when the player is not playing a disc.

In RESUME (Pre-Stop) mode, some pages and some items cannot be accessed. On the MAIN page, you cannot access VIDEO SETUP and PARENTAL SETUP pages in RESUME mode.

NOTE:

• To close the setup menu, select EXIT SETUP and press SELECT, or press DISPLAY.

USING SUB MENUS

Use ◄ / ► left/right arrow buttons to switch between left and right menus.

Once you enter any submenu,

Use ▼ / ▲ up/down arrow buttons to move the highlighted position up and down.

Press SELECT to choose the highlighted option on the right menu.

To close the setup menu, press DISPLAY.

NOTE:

• In any submenu, to return to main page, select MAIN PAGE and press SELECT button.

MENU ITEMS

VIDEO SETUP

• VIDEO SETUP page will not be available if the player is in RESUME (Pre-Stop) mode.

TV DISPLAY:

The aspect ratio of the picture provided by the DVD player can be varied in line with the features available on the TV in use.

The options available are:

NORMAL / PS (4x3 Pan & Scan):

Allows you to see the movie fill the entire screen of your TV, but not the right and left edges. This type of picture can only be viewed, if it is contained on the disc.

NORMAL / LB (4x3 Letterbox):

Allows you to see movies in their original aspect ratio. You will see the entire frame of the movie, but it will occupy a smaller portion of the screen.

WIDE (Wide screen 16x9):

Choose this setting if your DVD player is connected to a wide-screen TV.

NOTE:

• Depending on the format of the DVD disc. (eg. 2.35:1) the picture may still have black lines above and below this picture.

TV TYPE:

The video standard of the DVD player output can be selected from 'MULTI', 'NTSC' or 'PAL'.

If 'MULTI' is selected, the output standard will be either NTSC or PAL depending on the DVD being played.

If 'PAL' is selected, the video output will be converted to PAL standard irrespective of disc standard.

VIDEO OUTPUT:

The video output of the DVD player can be selected as 'S-VIDEO' or 'RGB'.

If 'S-VIDEO' is selected, RGB output via scart will be disabled, only CVBS will be active via Scart. S-Video output will be active via MiniDIN connector. After switching to S-Video, TV should be switched to S-Video input with TV remote control. If "S-Video" is selected in order to disable RGB via Scart and user prefers to watch CVBS via scart, TV should be switched to Scart input with TV remote control.

If 'RGB' is selected, S-Video output will be disabled. Scart output will be CVBS + RGB. This is the factory setting of the DVD player.

AUDIO SETUP

It is not possible to connect speakers directly to this DVD player; an AV amplifier must be used.

DOWNMIX MODE:

This mode allows the DVD player analog audio outputs to be matched to the features available on the TV in use. Analog audio outputs can be selected as

STEREO: Two channels stereo.

Use this option if you have a stereo TV or a stereo HI-FI system.

SURROUND: Surround encoded output.

OFF: Downmix mode off. Multichannel analog audio is available.

Do not use this option if your DVD player is not connected to a multichannel TV or multichannel AV receiver. It is particularly important not to enable speakers, which are not present. Otherwise serious sound quality problems will be experienced.

NOTE:

• If downmix mode is enabled, that is, one of SURROUND or STEREO options are selected, SPEAKER page in setup menu will be disabled since this page contains speaker settings related with multi-channel audio out. If you disable DOWNMIX mode, speaker page will be activated again. (Only for 6 channel players.)

DYNAMIC (Dynamic Range Compression):

Boosts frequency response. This item can be selected between "OFF" and "FULL".

LPCM OUTPUT:

This item can be selected as "LPCM 96K" or "LPCM 48K".

DTS OUTPUT:

DTS Output can be selected as "ANALOG" or "DIGITAL".

ANALOG : Use this setting if your player is connected to your TV or to your audio system through analog audio output or your digitally connected audio system doesn't support DTS decoding feature.

DIGITAL : Use this setting if your player is connected to DTS decoding audio system via digital audio output.

LANGUAGE SETUP

Audio, disc menu and subtitle items will not be available if the player is in RESUME (Pre-Stop) mode.

OSD LANG:

You can select the default OSD language of the player menus

AUDIO:

You can select the default audio language if supported by that DVD disc.

DISC MENU:

You can select the DVD's disc menu language among these languages. Disc menu appears in the selected language, if supported by that DVD disc.

SUBTITLE:

You can select the default subtitle language if supported by that DVD disc.

PARENTAL SETUP

PARENTAL SETUP page will not be available if the player is in RESUME (Pre-Stop) mode.

Playing some DVDs can be limited depending on the age of users. The "Parental Control" function allows playback limitation level to be set by the parent.

PARENTAL SETUP (Parental Level):

Parental Level can be adjusted to one of the eight levels or "NO PARENTAL". "NO PARENTAL" or level "8 ADULT" adjustments let you watch all of the DVD titles ignoring the DVD disc's parental level. You can watch the DVD discs, which has the same or lower parental level than the player's level only.

PASSWORD:

Password to change the parental level can be set by using this option.

You have to set a XXXX digital password when you select a parental level for the first time.You have to enter your password every time you want to change the parental level. If you forget your password please contact technical service.

Change Password:

Using this item you can change the current password.

To change the password you will be prompted to enter your old password. After you have entered your old password, you can now enter the new 4-digit password.

You can use C key to delete the incorrect entry.

PREFERENCES

ANGLE MARK, **CD MENU** and DEFAULTS items will not be available if the player is in RESUME (Pre-Stop) mode.

ANGLE MARK:

This option allows you to turn on /off the angle mark on the screen, which is displayed to indicate that a multi angle scene has started. It also shows which angle you are currently watching.

STANDBY TIME:

Standby activation time can be adjusted or standby can be disabled using this option. If one of the time options is selected, standby is activated, whenever no key is pressed for the selected time duration in stop mode.

CD MENU:

This option allows you to enable or disable the CD MENU, which is used for playing MP3, MPEG or JPEG CDs.

TRANSPARENCY:

Using this option one of the transparency levels can be selected for on screen display.

DEFAULTS:

If you choose RESET and press SELECT button, the factory-presets are loaded. Parental level and parental password do not change.

TROUBLESHOOTING

The picture quality is poor (DVD)

- Make sure the DVD disc surface is not damaged. (Scratch, fingerprint etc.)
- Clean the DVD disc and try again.
- Ensure that the DVD disc is in the drawer with the label uppermost.
- A damp DVD disc or condensation may effect the equipment. Wait for 1 to 2 hours in Stand-by to dry the equipment.

Disc does not play

- No disc in the machine.
  -Place a disc onto the tray.
- Disc incorrectly loaded.
  -Ensure that the DVD disc is in the drawer with the label uppermost.
- Wrong type of disc. The machine cannot play CD-ROMS etc.
  -Use disc in supported formats described on page 5.
- The region code of the DVD must match the one of the player.

Wrong OSD language

- Select the language in the set-up menu.

The language for the sound or subtitles on a DVD cannot be changed.

- Multilingual sound and/or subtitles not recorded on the DVD.
- Try to change the sound or subtitles using DVD's title menu. Some DVD's do not allow the user to change these settings without using the disc's menu

Some functions (Angle, Zoom etc) do not work

- These functions are not available on the DVD.
- Angle can only be changed when the angle symbol is displayed.

No picture

- Check that the player is connected to TV properly and that all connections between the DVD player and other attached equipment are secure.
- Have you pressed the correct buttons on the remote control? Try once more.

No sound

- Check the volume is set to an audible level.
- Make sure you have not switched the sound off accidentally.

Distorted sound

- Check that the appropriate listening mode setting is correct.

No response from remote control

- Make sure the remote control is in the correct mode.
- Check batteries are fitted correctly.
- Change the batteries.

If nothing works

If you have tried the above solutions and none seem to work, try switching your DVD off and on again. If this does not work, contact your supplier or DVD repair technician. **Never attempt to repair a defective DVD yourself.**

SPECIFICATIONS

DVD/VCD/CD/CD-R/CD-RW/MP3/MPEG/JPEG player,

Power Requirements	220 - 240V ~ 50 Hz Auto Adjustable Standby mod: 6W 78mA Power ON mod: 10W 109mA
Types of Discs Supported	**DVD** : SS/SL 4.7" (DVD-5) SS/DL 4.7" (DVD-9) DS/SL 4.7" (DVD-10) DS/DL 4.7" (DVD-18) **VCD** **CD-DA** **CD-R** **CD-RW** **MP3** **MPEG** **JPEG**
Video Type	MPEG-2 Digital Video Standard Decoding (MPEG-1 supported) Full-screen video display of 720 x 576 (PAL) & 720 x 480 (NTSC) pixels 50 and 60 Hz frame refresh rates (PAL & NTSC) Digital bit-stream processing rate up to 2x10,08Mbits/sec for DVD, 8x1.411Mbits/sec for CD. Line resolution: more than 500 lines.
Video Output	**Analogue Video:** (With using 4 x 10-bits / 54MHz video DACs) **CVBS** : PAL / NTSC (Negative synchronised), 1Vpp @ 75Ω(loaded) **S-VIDEO** : Y output : 1Vpp @ 75Ω(loaded) C output : 286 mVpp @ 75Ω(loaded) (NTSC) 300 mVpp @ 75Ω(loaded) (PAL) Through 4-pin MiniDIN S-VIDEO connector **Or** **RGB+CVBS** : Through Full Euroscart Output (Pin-8 Control)
Audio Type	Dolby Digital Decoding DTS Digital Output MPEG Multichannel Decoding LPCM
Audio Output	**Digital Audio Outputs:** IEC 958 TOSLINK **Analogue Outputs:** 24 Bit/ 96, 48, 44 1kHz down-sampling DAC 2 RCA jack outputs (Left / Right) Left / Right audio outputs of Full Euroscart **Output / Channel:** 2 Vrms (0 dB fs, 1kHz)
Dimension	420 mm(W) x 45 mm(H) x 281 mm(D)

DEFINITION OF TERMS

Angle

Recorded onto some DVD discs are scenes, which have been simultaneously shot from a number different angle (the same scene is shot from the front, from the left side, from the right side, etc.). With such discs, the ANGLE button can be used to view the scene from different angles.

Chapter Number

These numbers are recorded on DVD discs. A title is subdivided into many sections, each of which are numbered, and specific parts of video presentations can be searched quickly using these numbers.

DVD

This refers to a high-density optical disc on which high-quality pictures and sound have been recorded by means of digital signals. Incorporating a video compression technology (MPEG II) and high-density recording technology. DVD enables esthetically pleasing full-motion video to be recorded over long periods of time (for instance, a whole movie can be recorded).

DVD has a structure consisting of two 0.6 mm thin discs, which are adhered to each other. Since the thinner the disc, the higher the density at which the information can be recorded, a DVD disc has a greater capacity than a single 1,2 mm thick disc.

Playback Control

This is recorded on a Video CD (Version 2.0). The scenes or information to be viewed (or listened to) can be selected interactively with the TV monitor by looking at the menu shown on the TV monitor.

Subtitles

These are printed lines appearing at the bottom of the screen, which translate or transcribe the dialogue. They are recorded on the DVD discs.

Time Number

This indicates the playtime, which has elapsed from the start of a disc or a title. It can be used to find a specific scene quickly. (Not all discs permit time search feature to be used. Availability is determined by the disc's manufacturer.)

Title Number

These numbers are recorded on DVD discs. When a disc contains two or more movies, these movies are numbered as title 1, title 2, etc.

Track Number

These numbers are assigned to the tracks which are recorded on Audio CDs. They enable specific tracks to be located quickly.

Video CD

This contains recordings of pictures and sound whose quality is on a par with that of video tape. This player also supports Video CDs with playback control (Version 2.0).

Dolby Digital

Many movie theaters are equipped with 5.1 channel surround systems. This same type of technology is available to you in your home. To enjoy full 5.1 channel surround, your DVD player must be connected to an external Dolby Digital decoder via the digital outputs (either coaxial).

Dolby Pro Logic

This is Dolby Laboratories' technology to decode Dolby Surround encoded programs actively. Dolby Surround programs have four channels of audio (Left, Center, Right and Surround) encoded into a standard 2-channel stereo signal. The rear channel is monaural.

PCM

PCM stands for Pulse Code Modulation and is digital audio.

MPEG

Short for Moving Picture Experts Group. This is an international standard for compression of moving images. On some DVDs digital audio has been compressed and recorded in this format.

SOME DOS AND DON'TS ON THE SAFE USE OF EQUIPMENT

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

****

DO read the operating instructions before you attempt to use the equipment.
DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between the pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug before making or changing connections.
DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.
DO be careful with glass panels or doors on equipment

****

DON'T remove any fixed cover as this may expose dangerous voltages.
DON'T obstruct the ventilation of the equipment, for example with curtains or soft furnishings. Overheating will cause damage and shorten the life of the equipment.
DON'T allow electrical equipment to be exposed to rain or moisture.
DON'T place hot objects naked flame sources such as lighted candles or nightlights on, or close to, equipment. High temperatures can melt plastic and lead to fires.
DON'T use makeshift stands and **NEVER** fix legs with wood screws - to ensure complete safety always fit the manufacturer's approved stand or legs with the fixings provided according to the instructions.
DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving.
DON'T listen to headphones at high volume, as such use can permanently damage your hearing.
DON'T leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a stand-by mode. Switch off using the switch on the equipment and make sure that your family know how to do this. Special arrangements may need to be made for infirm or disabled people.
DON'T continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way - switch off, withdraw the mains plug and consult your dealer.

ABOVE ALL
--- NEVER let anyone especially children push anything into holes, slots or any other opening in the case - this could result in a fatal electrical shock;

--- NEVER guess or take chances with electrical equipment of any kind
--- it is better to be safe than sorry!

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4.1.2005.

UK GUARANTEE

Your Guarantee of Excellence

Thank you for purchasing this Hitachi product

In the unlikely event that this product should develop a fault, we undertake to replace or repair any part of the product which fails due to a manufacturing defect within 12 months of the date of purchase provided that:

i) The product has been installed and used only in accordance with the instructions supplied with the product.

ii) The product has not been repaired, maintained, or modified by any person other than a Hitachi authorised engineer.

iii) The product serial number has not been removed or altered.

This guarantee does not apply to product acquired second hand or for commercial or communal use.

This guarantee does not cover the replacement of exhausted batteries, the adjustment of user controls, or head cleaning and general consumer maintenance tasks.

Any parts replaced under this guarantee shall become the property of Hitachi Europe Ltd. Any claims made under guarantee must be directed to the dealer from whom the equipment was originally purchased.

Please note that evidence of the date of purchase will be required before any service under this guarantee is carried out.

THIS GUARANTEE DOES NOT AFFECT YOUR STATUTORY RIGHTS.

IN ALL CASES OF DIFFICULTY PLEASE CONSULT YOUR HITACHI DEALER

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